

OVERVIEW

TERRACO TERRAROC HBR is a high build polymer modified repair mortar with fibre reinforcement suitable for concrete repairs up to 80mm on vertical surfaces and 40mm in overhead applications. **TERRACO TERRAROC HBR** is shrinkage compensated and is spray-able, enabling fast repair.

PROPERTIES

TERRACO TERRAROC HBR is a blend of special cements, aggregates, plasticizers, polymers, fibres and shrinkage compensating additives with the following properties:

- Ready to use.
- Shrinkage compensated.
- Factory controlled mix design.
- Fibre reinforced ensuring high flexural strength.
- Polymer modified ensuring excellent adhesion.
- Specially formulated to allow repairs in vertical and overhead situations.

AREAS OF USE

TERRACO TERRAROC HBR is designed for use as part of the **TERRACO** concrete repair system and is recommended for extra high-build repair work up to 80mm vertically and 50mm (overhead) in a single application.

PREPARATION OF SURFACE

Do not apply at temperatures below 5°C. Remove all defective concrete back to the reinforcements, treat reinforcements with **TERRACO EPIPRIME ZR** (see separate data sheet). Avoid feather edging. The repair area should be a minimum depth of 15mm. Thoroughly wet the surface with water and apply a coat of **TERRACO TERRABOND A** by scrubbing it well into the surface. Allow it to become tacky before applying the **TERRACO TERRAROC HBR**.

MIXING

Ensure that the mixing water is constant for each bag of compound (4.5litres water/25kg **TERRACO TERRAROC HBR**). A mechanical mixer is necessary to ensure consistency of the final mix. Add the powder to the water and mix continuously for 3 to 5 minutes.

APPLICATION & CLEANING OF TOOLS

Apply to the prepared substrate by trowel ensuring that it is well compacted onto the primed surface/reinforcements. Build up in layers until the desired thickness is achieved. Where very thick sections are required allow the initial layer of **TERRACO TERRAROC HBR** to set, scratch the surface to provide a mechanical key and prime with **TERRACO TERRABOND A** before applying the final layer of **TERRACO TERRAROC HBR**. Finish using a steel float. **Terraroc HBR** should not be applied in layers less than 15mm thickness.

Clean tools and equipment with water after use.

CURING

TERRACO TERRAROC HBR should be cured immediately after troweling is finished by applying **TERRACO TERRABOND A** to the surface. In harsh conditions the supplementary use of hessian or polythene must be used to ensure proper curing.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKAGING & STORAGE

TERRACO TERRAROC HBR is packed in 25kg valve craft bags.

TERRACO TERRAROC HBR should be stored in a clean dry area, protected from direct sunlight and extreme heat and cold. The pallets can be stacked two high provided care is taken. Opened sacks should be used first. Unopened sacks can be stored for 6 months. Use oldest material first.

TECHNICAL DATA

Product	High-build polymer modified repair mortar.
Binder	Hydraulic/organic.
Colours	Grey.
Compressive Strength	28 N/mm ² (7 days). 40 N/mm ² (28 days).
Flexural Strength	6 N/mm ² (28 days).
Tensile Strength	3 N/mm ² (28 days).
Set Time	3 hours (initial). 5 hours (final).
Wet Density	2100 kg/m ³ .
Water Demand	18% (4.5litres water/25kg bag).
Application Thickness	15-80mm (vertical). 15-50mm (overhead).
Yield	25kg of powder + 4.5litres of water yield 14litres mix.
Packaging	25kg valve craft bags.
Storage	6 months in original unopened container.

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